SEQUENCE LISTING

<110> Baerson, Scott
Heck, Gregory
Rodriguez, Damian

<120> Methods for Making Plants Tolerant to Glyphosate and Compositions Thereof

<130> 11898.0019.00DVUS02 (MOBS019--2)

<140> PCT/ US01/07135
<141> 2001-03-06

<150> 60/188,093
<151> 2000-03-09

<150> 09/800,130
<151> 2001-03-06

<160> 16

<170> PatentIn version 3.2

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Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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Val Lys Ala Glu His Ser Asp Ser
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actgtggtgg ataacctttt aaacagtgag gacgtccact acatgctcgg ggccctgaaa 180

accctcggac tctctgtgga agcggacaaa gctgccaaaa gagcggtagt tgttggctgt 240

ggtggcaagt tcccagttga gaaggatgcg aaagaggagg tgcagctctt cttggggaat 300

gctggaactg caatgcgatc attgacagca gccgtaactg ctgctggagg aaatgcaact 360

tatgtgcttg atggagtgcc aagaatgcgg gagagaccca ttggcgactt ggttgtcgga 420

ttgaaacagc ttggtgcgga tgttgattgt ttccttggca ctgactgccc acctgttcgt 480

gtcaagggaa tcggagggct acctggtggc aaggttaagt tatctggttc catcagcagt 540

cagtacttga gtgccttgct gatggctgct cctttagctc ttggggatgt ggagattgaa 600

atcattgata aactgatctc catcccttat gttgaaatga cattgagatt gatggagcgt 660

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aaagctattg atgttaacat gaacaaaatg cccgatgtcg ccatgactct tgccgtggtt   1020

gccctatttg ctgatggccc aactgctatc agagatgtgg cttcctggag agtaaaggag   1080

accgagagga tggttgcaat ccggactgag ctaacaaagc tgggagcgtc ggtcgaggaa   1140

ggactggact actgcattat cacaccgccc gagaagctga acgtaacggc catcgacacc   1200

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Leu Ser Ala Leu Ala Glu Gly Thr Thr Val Val Asp Asn Leu Leu Asn
        35                  40                  45

Ser Glu Asp Val His Tyr Met Leu Gly Ala Leu Lys Thr Leu Gly Leu
    50                  55                  60

Ser Val Glu Ala Asp Lys Ala Ala Lys Arg Ala Val Val Val Gly Cys
65                  70                  75                  80

Gly Gly Lys Phe Pro Val Glu Lys Asp Ala Lys Glu Glu Val Gln Leu
                85                  90                  95
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Phe Leu Gly Asn Ala Gly Thr Ala Met Arg Ser Leu Thr Ala Ala Val
            100                 105                 110

Thr Ala Ala Gly Gly Asn Ala Thr Tyr Val Leu Asp Gly Val Pro Arg
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Met Arg Glu Arg Pro Ile Gly Asp Leu Val Val Gly Leu Lys Gln Leu
    130                 135                 140

Gly Ala Asp Val Asp Cys Phe Leu Gly Thr Asp Cys Pro Pro Val Arg
145                 150                 155                 160

Val Lys Gly Ile Gly Gly Leu Pro Gly Gly Lys Val Lys Leu Ser Gly
                165                 170                 175

Ser Ile Ser Ser Gln Tyr Leu Ser Ala Leu Leu Met Ala Ala Pro Leu
            180                 185                 190

Ala Leu Gly Asp Val Glu Ile Glu Ile Ile Asp Lys Leu Ile Ser Ile
        195                 200                 205

Pro Tyr Val Glu Met Thr Leu Arg Leu Met Glu Arg Phe Gly Val Lys
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Ala Glu His Ser Asp Ser Trp Asp Arg Phe Tyr Ile Lys Gly Gly Gln
225                 230                 235                 240

Lys Tyr Lys Ser Pro Lys Asn Ala Tyr Val Glu Gly Asp Ala Ser Ser
                245                 250                 255

Ala Ser Tyr Phe Leu Ala Gly Ala Ala Ile Thr Gly Gly Thr Val Thr
            260                 265                 270

Val Glu Gly Cys Gly Thr Thr Ser Leu Gln Gly Asp Val Lys Phe Ala
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Glu Val Leu Glu Met Met Gly Ala Lys Val Thr Trp Thr Glu Thr Ser
    290                 295                 300
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Val Thr Val Thr Gly Pro Gln Arg Glu Pro Phe Gly Arg Lys His Leu
305                 310                 315                 320

Lys Ala Ile Asp Val Asn Met Asn Lys Met Pro Asp Val Ala Met Thr
                325                 330                 335

Leu Ala Val Val Ala Leu Phe Ala Asp Gly Pro Thr Ala Ile Arg Asp
            340                 345                 350

Val Ala Ser Trp Arg Val Lys Glu Thr Glu Arg Met Val Ala Ile Arg
        355                 360                 365

Thr Glu Leu Thr Lys Leu Gly Ala Ser Val Glu Glu Gly Leu Asp Tyr
    370                 375                 380

Cys Ile Ile Thr Pro Pro Glu Lys Leu Asn Val Thr Ala Ile Asp Thr
385                 390                 395                 400

Tyr Asp Asp His Arg Met Ala Met Ala Phe Ser Leu Ala Ala Cys Ala
                405                 410                 415

Asp Val Pro Val Thr Ile Arg Asp Pro Gly Cys Thr Arg Lys Thr Phe
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Pro Asp Tyr Phe Asp Val Leu Ser Thr Phe Val Lys Asn
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Cys Asn Pro Asp Ala Asn Lys
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Thr Ala Leu Ser His Arg Pro Arg
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Ser Ala Gly Lys Cys Leu Thr Leu Thr Leu Leu
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